



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/504,135	02/15/2000	Suthirug Num Pisutha-Armond	CS10006	7503

20280 7590 03/16/2007
MOTOROLA INC
600 NORTH US HIGHWAY 45
ROOM AS437
LIBERTYVILLE, IL 60048-5343

EXAMINER

WEST, LEWIS G

ART UNIT	PAPER NUMBER
----------	--------------

2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 09/504,135	Applicant(s) NUM PISUTHA-ARNOND ET AL.	
	Examiner Lewis G. West	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 35,37-42 and 44-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 35,37-42 and 44-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 February 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Arguments

Applicant's arguments filed February 13, 2007 have been fully considered but they are not persuasive.

Applicant begins by arguing that the examiner changed the rejection based on applicant's arguments, this is clearly not the case, because as indicated in the final rejection, the new grounds of rejection were based on the fact that applicant change the scope of the claimed invention, requiring new rejection, no persuasive arguments have been presented.

Regarding the present art rejection, the information indicating the recipient of the message is included in the preamble of the message and therefore meets the limitation that type identifying data is included with the message.

Further, applicant's arguments since the board decision are based on new matter, see below. The examiner apologizes for not catching the new matter in an earlier action, and because of this the current action is made non-final.

Also the claims are now rejected under 35 USC 101, as they are directed to non-statutory subject matter, see below.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 35, 37-42 and 44-48 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which

was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. From the amendments to claims of July 10, 2006, in claims 35 and 42, “wherein the type of message is different than the size of the message” is not supported by the original specification and is therefore new matter. From the further amendments filed October 19, 2006, the “criteria of the type” limitations are also not supported by the original specification. The original specification specifically indicates that the “quickview” is performed based on the type of message which is directly based on the size of the message. All new matter must be **removed**.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 35, 37-42 and 44-48 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. It is non-statutory because it is an **abstract idea**, directed solely to **non-functional descriptive material**.

Claims 35 and 37-41 are directed to performing an algorithm. The routine, as claimed, only describes a series of steps to be performed by a computer, but with no **tangible** output.

Claim 42 and 44-48 are directed to similar method steps and is therefore also directed to a series of steps with no **tangible** output.

“generating a display item” is not a tangible output, as it does not expressly reflect any tangible output to a piece of hardware which may be seen by a user. Therefore the claimed

invention in both groups is abstract, as it may take place completely inside a computer with no useful output.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 35, 37-42 and 44-48 are rejected under 35 U.S.C. 102(b) as being anticipated by ICHIKAWA et al (US 4,626,842 A).

Regarding claim 35, ICHIKAWA et al discloses message alert system for a communication device (all elements of figure 1) wherein the communication device comprises a processor (element 4 of figure 1 and column 2 lines 42-46) and a display (element 8 of figure 1) for displaying information, comprising: a computer-readable medium (element 401 of figure 3); and a routine stored in the computer-readable medium and configured for execution by the processor, the routine comprising: a first routine that receives a message comprising the information (column 3 lines 62-67); a second routine that analyzes the message to determine from type identifying data transmitted with the message a size thereof (column 4 lines 8-32), and further analyzes the message to determine whether the message is of a message type for which the third routine is executed wherein the criteria for the type of message is different from a criteria based on the size of the message (Column 2 lines 26-46); a third routine that generates a

display item for the message in accordance with the size thereof (column 5 lines 11-57), if the message is of the type for which the third routine is executed.

Regarding claim 37, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses an initialization routine that specifies the message type (based on number of digits) for which the third routine is executed (column 3 line 62 to column 4 line 32).

Regarding claim 38, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the generated display item comprises a reproduction of the message when the second routine determines that the size of the message is less than a predetermined size (column 3 line 62 to column 4 line 32).

Regarding claim 39, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses the generated display item comprises a reproduction of the message when the second routine determines that the size of the message is greater than a predetermined size; and the routine comprises a fourth routine that provides the generated display item to the display for a predetermined time (column 3 line 62 to column 4 line 32).

Regarding claim 40, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the routine comprises a fifth routine that generates a further display item that comprises a portion of the message when the second routine determines that the size of the message is greater than a predetermined size; and the routine comprises a sixth routine that provides the further display item to the display after the predetermined time has elapsed (column 3 line 62 to column 4 line 32).

Regarding claim 41, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the message is transmitted to the communication device via a network; and the network is a broadcast network (column 2 line 27 to column 4 line 32).

Regarding claim 42, ICHIKAWA et al discloses a method of controlling a communication device (all elements of figure 1) having a display (element 8 of figure 1) for displaying information, the method comprising the steps of: receiving a message comprising the information (column 3 lines 62-67); analyzing the message to determine a size thereof, wherein the criteria for the type of message is different than a criteria based on the size of the message (Col. 3 line 62-Col. 4 line 7), and further analyzing the message to determine from type identifying data transmitted with the message whether the message is of a message type for which the generating step is executed (Column 2 lines 26-46); and generating a display item for the message in accordance with the size thereof (column 5 lines 11-57), if the message is of the type for which the generating step is executed.

Regarding claim 43, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses analyzing the message to determine whether the message is of a message type for which the generating step is executed (column 3 line 62 to column 4 line 32). This is read as when the message is limited to 10 digits.

Regarding claim 44, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses an initialization routine that specifies the message type (based on number of digits) for which the third routine is executed (column 3 line 62 to column 4 line 32).

Regarding claim 45, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the generated display item comprises a reproduction of the message when the second routine determines that the size of the message is less than a predetermined size (column 3 line 62 to column 4 line 32).

Regarding claim 46, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses the generated display item comprises a reproduction of the message when the second routine determines that the size of the message is greater than a predetermined size; and the routine comprises a fourth routine that provides the generated display item to the display for a predetermined time (column 3 line 62 to column 4 line 32).

Regarding claim 47, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the routine comprises a fifth routine that generates a further display item that comprises a portion of the message when the second routine determines that the size of the message is greater than a predetermined size; and the routine comprises a sixth routine that provides the further display item to the display after the predetermined time has elapsed (column 3 line 62 to column 4 line 32).

Regarding claim 48, see the rejection of the parent claim concerning the subject matter this claim depends from. ICHIKAWA et al further discloses that the message is transmitted to the communication device via a broadcast network (column 2 line 27 to column 4 line 32).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis G. West whose telephone number is 571-272-7859. The examiner can normally be reached on Monday-Friday 7:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Lewis West
(571) 272-7859